



Automatización Eléctrica
Especialistas en Automatización

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Heavy-duty plug-in connectors

HEAVYCON type B - contact inserts

BB series, 10 - 92

500 V, 16 A

Connection technology:
- Crimp connection

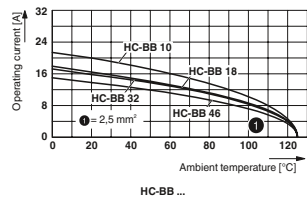
To determine the matching housings, refer to the cross-reference list on page 402.

Notes:	
For accessories, see from page 552	
Order crimp contacts separately	
Connectors may only be operated when under no load.	
Observe notes on the connection technology	



Type	Technical data			
	HC-BB 10-E...C	HC-BB 18-E...C	HC-BB 32-E...C	HC-BB 46-E...C
IEC data				
Rated current, contacts (at 40°C)	A	16	16	16
Surge voltage category		III	III	III
Pollution degree		3	3	3
Rated voltage (III/3) contacts	V	500	500	500
Rated surge voltage, contacts	kV	6	6	6
Connection cross section	mm ²	0.5 ... 4	0.5 ... 4	0.5 ... 4
UL data				
Rated voltage	V	-	-	-
Rated current	A	-	-	-
AWG		-	-	-
CSA data				
Rated voltage	V	600	600	600
Rated current	A	16	16	16
AWG		20-12	20-12	20-12
Material data				
Contact carrier material	PC	PC	PC	PC
Inflammability class in acc. with UL 94	V0	V0	V0	V0
Contact material	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Contact surface material	Ag (alternatively Au)	Ag (alternatively Au)	Ag (alternatively Au)	Ag (alternatively Au)
Temperature data				
Ambient temperature range	°C	-40 ... 125	-40 ... 125	-40 ... 125
General data				
Connection method		Crimp connection	Crimp connection	Crimp connection
No. of pos.		10	18	32
Contact numbering		1 - 10	1 - 18	1 - 32
Insertion/withdrawal cycles		≥ 500	≥ 500	≥ 500

Derating curves



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Description	Pos.	Number	Housing	Type	Ordering data		Pcs./ Pkt.	Dimensions (in mm)																																																																	
					Socket	Plug																																																																			
Crimp connection																																																																									
	10	1 - 10	B6	① HC-BB 10-E...C	1687435	1687448	1																																																																		
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	18	1 - 18	B10	② HC-BB 18-E...C	1687451	1687464	1																																																																		
Crimp connection																																																																									
	32	1 - 32	B16 / B32	③ HC-BB 32-E...C	1687477	1687480	1																																																																		
	32	33 - 64	B16 / B32	④ HC-BB 32-E...C 64	1410615	1410628	1																																																																		
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	46	1 - 46	B24 / B48	⑤ HC-BB 46-E...C	1687493	1687503	1	<table border="1"> <thead> <tr> <th></th> <th>a</th> <th>b</th> <th>c</th> <th>d</th> </tr> </thead> <tbody> <tr> <td>① Socket</td> <td>51</td> <td>44</td> <td>36.2</td> <td>35</td> </tr> <tr> <td>① Plug</td> <td></td> <td></td> <td>33.2</td> <td></td> </tr> <tr> <td>② Socket</td> <td>64</td> <td>57</td> <td>36.2</td> <td>48</td> </tr> <tr> <td>② Plug</td> <td></td> <td></td> <td>33.2</td> <td></td> </tr> <tr> <td>③ Socket</td> <td>84.5</td> <td>77.5</td> <td>36.2</td> <td>68.5</td> </tr> <tr> <td>③ Plug</td> <td></td> <td></td> <td>33.2</td> <td></td> </tr> <tr> <td>④ Socket</td> <td>84.5</td> <td>77.5</td> <td>36.2</td> <td>78.5</td> </tr> <tr> <td>④ Plug</td> <td></td> <td></td> <td>33.2</td> <td></td> </tr> <tr> <td>⑤ Socket</td> <td>111</td> <td>104</td> <td>36.2</td> <td>95</td> </tr> <tr> <td>⑤ Plug</td> <td></td> <td></td> <td>33.2</td> <td></td> </tr> <tr> <td>⑥ Socket</td> <td>111</td> <td>104</td> <td>36.2</td> <td>105</td> </tr> <tr> <td>⑥ Plug</td> <td></td> <td></td> <td>33.2</td> <td></td> </tr> </tbody> </table>		a	b	c	d	① Socket	51	44	36.2	35	① Plug			33.2		② Socket	64	57	36.2	48	② Plug			33.2		③ Socket	84.5	77.5	36.2	68.5	③ Plug			33.2		④ Socket	84.5	77.5	36.2	78.5	④ Plug			33.2		⑤ Socket	111	104	36.2	95	⑤ Plug			33.2		⑥ Socket	111	104	36.2	105	⑥ Plug			33.2	
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Accessories



Coding elements
From page 581

PE screws
From page 580

Crimping tools
From page 562

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- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

Product	Code	Reference	Product link
HEAVYCON female insert, BB10 series, 10-pos., crimp connection	1687435	HC-BB 10-EBUC	Buy on EAN
HEAVYCON male insert, BB10 series, 10-pos., crimp connection	1687448	HC-BB 10-ESTC	Buy on EAN
HEAVYCON female insert, BB18 series, 18-pos., crimp connection	1687451	HC-BB 18-EBUC	Buy on EAN
HEAVYCON male insert, BB18 series, 18-pos., crimp connection	1687464	HC-BB 18-ESTC	Buy on EAN
HEAVYCON female insert, BB32 series, 32-pos., crimp connection	1687477	HC-BB 32-EBUC	Buy on EAN
HEAVYCON male insert, BB32 series, 32-pos., crimp connection	1687480	HC-BB 32-ESTC	Buy on EAN
HEAVYCON female insert, BB46 series, 46-pos., crimp connection	1687493	HC-BB 46-EBUC	Buy on EAN
HEAVYCON male insert, BB46 series, 46-pos., crimp connection	1687503	HC-BB 46-ESTC	Buy on EAN